RDT&E BUDGET ITE	RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)							February 2002	
			PE NUMBER AND TITLE 0605712F Initial Operational Test & Evaluati				ıation	PROJECT 0191	
COST (\$ in Thousands)	FY 2001 Actual	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost
0191 Initial Operational Test & Eval	32,677	33,179	27,070	27,529	28,073	28,559	29,155	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0

(U) A. Mission Description

Initial Operational Test and Evaluation (IOT&E) is conducted to determine the operational effectiveness and suitability of systems undergoing research and development (R&D) efforts. It is an evaluation of a system's performance when the complete system is tested and evaluated against operational criteria by personnel with the same qualifications as those who will operate, maintain and support the system when deployed. In general, IOT&E is performed on new systems in development, major modifications and other systems as directed. This PE funds Congressionally mandated IOT&E to support major weapon system acquisition decisions beyond Low-Rate Initial Production (LRIP), Milestone III, fielding, and declaration of Initial Operational Capability (IOC). For major systems designated for use in combat, the law requires IOT&E be completed under realistic field conditions before proceeding beyond Low Rate Initial Production. IOT&E will be planned to completely and unambiguously answer all critical operational issues (COI) as thoroughly as possible. This PE funds the OT participation in Combined Developmental/Operational Test (DT)/OT, the Air Force participation in Multiservice Operational Test and Evaluation (MOT&E), and Follow-on Operational Test and Evaluation (FOT&E) when it is the continuation of IOT&E activities past the Milestone III decision. FOT&E answers specific questions about unresolved COIs and test issues, or completes areas not finished during the IOT&E. This PE also funds related operational test and evaluation (OT&E) activities such as, Operational Utility Evaluations (OUE), Early Operational Assessments (EOA) and Operational Assessments (OA), and independent IOT&E which support major milestones and decision points prior to Milestone III, fielding, or declaration of IOC. IOT&E programs are identified in several system categories: Air; Space; Weapons; Command, Control, Communications, Computers, and Intelligence (C4I); Combat Support; and Test Support. Air Force Operational Test and Evaluation Center (AFO

(U) FY 2001 (\$ in Thousands)

(U) \$22,136 (

(U) CATEGORY: AIR SYSTEMS. Planned, executed, and reported IOT&E activities, to include: Airborne Laser (ABL); Advanced Strategic & Tactical IR Expendable (ASTE); B-1B Conventional Mission Upgrade Program (CMUP) BLK E; B-1B CMUP BLK F; B-52 Avionics Midlife Improvement (AMI); Compass Call; CV-22; F-15 Fiber Optic Towed Decoy (F-15 FOTD); F-16 Common Configuration Improvement Program (CCIP); F-22; Global Hawk High Altitude Vehicle (HAV) UAV; Joint Helmet Mounted Cueing System (JHMCS); Joint Strike Fighter (JSF); and other systems.

- ABL: Continued detailed planning for and conduct EOA2. Advance planning for OA and IOT&E.

Project 0191 Pages Exhibit R-2 (PE 0605712F)

	RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit) February 2							
	GET ACTIVITY - Management ar	nd Support	PE NUMBER AND TITLE 0605712F Initial Operational Test &	PROJECT Evaluation 0191				
(U)	A. Mission Descript	ion Continued						
(U)	FY 2001 (\$ in Thous:	- ASTE: Detailed planning for incremental IOT&E but all a B-1B CMUP Block E: Conducted combined DT/OT-B-1B CMUP Block F: Conducted combined DT/OT-B-52 AMI: Planned and conducted OA; advance plander Compass Call: Conducted IOT&E - CV-22: Conducted combined DT/OT. Detailed plander F-15 FOTD: Early involvement and advance planning F-16 CCIP: Detailed Planning of IOT&E. - F-22: Conducted combined DT/OT. Detailed planning Global Hawk HAV UAV: Advance Planning for IOT-JHMCS: Completed detailed planning and began IOT-JSF: Completed EOA and wrote report. Completed	Γ. Completed detailed planning for IOT&E. Γ. Completed detailed planning for IOT&E. anning for IOT&E. nning for CV-22 IOT&E. ng for combined DT/OT and IOT&E. ing for IOT&E. OT&E and started combined DT/OT. OT&E.					
(U)	\$2,205	U) CATEGORY: SPACE SYSTEMS. Planned, exect Communications (Advanced EHF); Evolved Expenda Satellite (GPS); MILSTAR II; National Polar-Orbit C Wideband Gap Filler System (WGS); and other system - Advanced EHF: Completed detailed planning and c - EELV: Planned and started OA II. - GBS: Planned, conducted, and reported on OA. - GPS: Executed combined DT/OT. Planning for OA - MILSTAR II: Combined DT/OT. Ongoing MOD/S - NPOESS: Planned OA1. - SBIRS: Combined DT/OT on Increment 1; planned - WGS: Planned and began execution for OA.	cuted, and reported IOT&E activities, to include: Advable Launch Vehicle (EELV); Global Broadcast Syste Ops Environment Satellite System (NPOESS); Space Isms. conducted EOA; wrote final report. A1 and OA2 SIM efforts.	vanced EHF Satellite m (GBS); Global Positioning				
(U)	\$3,843	(U) CATEGORY: WEAPONS. Planned, executed, Smart Fuse (HTSF); Joint Air-to-Surface Standoff Mi - AIM-9X: Conducted second phase of combined DT	issile (JASSM); Joint Standoff Weapon (JSOW); and	_				
F	Project 0191	Page	e 2 of 10 Pages	Exhibit R-2 (PE 0605712F)				

	RDT&	E BUDGET ITEM JUSTIFICATION	SHEET (R-2 Exhibit)	DATE February 2002
	GET ACTIVITY	10	PE NUMBER AND TITLE	PROJECT
06 -	Management au	nd Support	0605712F Initial Operational Test &	Evaluation 0191
(U)	A. Mission Descript	ion Continued		
(U)	FY 2001 (\$ in Thous:	ands) ContinuedHTSF: Planned and conducted OUE.JASSM: Conducted OA. Detailed planning for IOT	%E.	
(U)	\$1,828	- JSOW: Planned and conducted MOT&E and wrote (U) CATEGORY: COMMAND, CONTROL, COMPREDITED TO THE COMMAND, CONTROL, COMPREDITED TO THE COMMAND, CONTROL, COMPREDITED TO THE CONTROL OF TRANSCOM Regulating and Command and Control of Transcome Regulating and Control of Trans	MUNICATIONS, COMPUTERS, and INTELLIGEN sis Action Planning and Execution System (DCAPES I); Integrated Broadcast System (IBS); ICBM Minutentrol System (MACS); Theater Battle Management	; DOD National Airspace System eman MEECN Program (ICBM
(U)	\$2,655	 DCAPES: Conducted Increment 1 OA. DOD NAS: Executing MOT&E. GATM: Conducted IOT&E on C-17 platform. Adv. IBS: Planning for OA. ICBM MMP: Planned IOT&E. Joint Stars Blk 30: Prepared OT&E Plan. MACS: OIA Development and OT Planning. TBM-CS: Conducted DT/OT Versions 1.0.2 and 1.3. TRAC2ES: Conducted IOT&E. (U) CATEGORY: COMBAT SUPPORT. Planned, Equipment(CAPRE); Common Low Observable Verial Logistics System - Supply (ILS-S); Joint Computer A Precision Approach & Landing system (JPALS); Joint Next Generation Small Loader (NGSL); Range Standar-CAPRE: Planned and Conducted IOT&E. CLOVerS: Completed detailed planning and conducted CSEL: Planned, executed, and reported on OA. December 1. 	executed, and reported IOT&E activities, to include: fication System (CLOVerS); Combat Survivor Evade ided Acq and Log Systems (JCALS); Joint Mission Pat Service Electronic Combat System Tester (JSECST) ardization Automation (RSA); and other systems.	Common Aircraft Portable Re-Prog er Locator (CSEL); Integrated Planning System (JMPS); Joint
Р	roject 0191	Page	3 of 10 Pages	Exhibit R-2 (PE 0605712F)

	RDT8	E BUDGET ITEM JUSTIFICA	ATION SHEET (R-2 Exhibit)	DATE February 2002
	GET ACTIVITY Management a	nd Support	PE NUMBER AND TITLE 0605712F Initial Operational Test	PROJECT & Evaluation 0191
(U)	A. Mission Descript	ion Continued		
(U)	FY 2001 (\$ in Thous	ands) Continued - ILS-S: Conducted CTF events. Advance of JCALS: Detailed planning for IOT&E on the JMPS: Conducted EOA. Detailed planning of JPALS: Planning for EOA. - JSECST: Completed IOT&E and wrote find the JSIMS: Data collection and advance planner of NGSL: Executed IOT&E and wrote final the RSA: Conducted and reported phase II OA	software package 3.1 ng for IOT&E. nal report. ning for MOT&E. report.	
(U)	\$10	U) CATEGORY: TEST SUPPORT. Provided in the support of the support	ide test capabilities infrastructure to support OT. MASS): Planned and executed OUE.	
(U)	\$32,677	Total		
(U) (U)	FY 2002 (\$ in Thous \$19,194	(U) CATEGORY: AIR SYSTEMS. Plan, Tactical IR Expendable (ASTE); B-1B Commid-Life Improvement (AMI); C-17 GATM Configuration Improvement Program (CCIF Helmet Mounted Cueing System (JHMCS); - ABL: Complete EOA2 and issue final rep-ASTE: Conduct incremental IOT&E and B-1B CMUP Block E: Conduct IOT&E at B-1B CMUP Block F: Complete OA and B-52 AMI: Detailed planning for IOT&E. C-17 GATM: Conduct Block 13 OA - Compass Call: Advance planning for Blk	nd write final test report. detailed planning for IOT&E. 35 IOT&E. nplete detailed planning for and conduct CV-22 IOT&E.	CMUP BLK F; B-52 Avionics -15 FOTD); F-16 Common Large Aircraft IRCM (LAIRCM); Joint
Р	roject 0191		Page 4 of 10 Pages	Exhibit R-2 (PE 0605712F)

	RDT&	E BUDGET ITEM JUSTIFICATION	SHEET (R-2 Exhibit)	DATE February 2002
•	GET ACTIVITY - Management ai	nd Support	PE NUMBER AND TITLE 0605712F Initial Operational Test & E	PROJECT Evaluation 0191
(U)	A. Mission Descript	ion Continued		
(U) (U)	FY 2002 (\$ in Thous: \$1,987	 F-16 CCIP: Detailed Planning and conduct IOT&E. F-15 FOTD: Publish OA; advanced planning for IO Global Hawk HAV UAV: Participation in real-worl LAIRCM: Plan for IOT&E conduct combined DT/ JHMCS: Complete IOT&E and write final report. JSF: Conduct EAO; advanced planning for IOT&E. MACS: Detailed planning for IOT&E. (U) CATEGORY: SPACE SYSTEMS. Plan, execut (Advanced EHF); Evolved Expendable Launch Vehick MILSTAR II; National Polar-Orbit Ops Environment Filler System (WGS); and other systems. Advanced EHF: Advance planning for IOT&E. EELV: Complete OA report. GBS: Complete MOT&E and write final report. Advanced EMS 	T&E. d events; detailed planning for IOT&E. OT. e, and report IOT&E activities, to include: Advanced le (EELV); Global Broadcast System (GBS); Global F Satellite System (NPOESS); Space Based InfraRed System (NPOESS);	Positioning Satellite (GPS);
(U)	\$9,159	 GPS: Advance planning for OA1. MILSTAR II: Conduct MOT&E. NPOESS: Complete detailed planning for and begir SBIRS: Complete increment 1 IOT&E Plan Increr WGS: Complete OA and conduct combined DT/OT (U) CATEGORY: WEAPONS. Plan, execute, and r (HTSF); Joint Air-to-Surface Standoff Missile (JASSI Blu-97, and other systems. AIM-9X: Complete DT/OT events; conduct MOT& HTSF: Complete OUE and write final report. JASSM: Conduct IOT&E. JDAM MK 82: Conduct combined DT/OT; advanced and write report. JSOW BLU-97: Conduct FOT&E and write report. 	nent 2 IOT&E Conducte OUE. c. eport IOT&E activities, to include: AIM-9X Air-to-AM); Joint Direct Attack Munition (JDAM) MK 82; JoinEE and begin writing final report.	•
F	Project 0191	Page	5 of 10 Pages	Exhibit R-2 (PE 0605712F)

	RDT8	E BUDGET ITEM JUSTIFICATIO	N SHEET (R-2 Exhibit)	DATE February 2002
	GET ACTIVITY	ad Support	PE NUMBER AND TITLE 0605712F Initial Operational Test & I	PROJECT Evaluation 0191
06 -	- Management a	ій Зиррогі	100037 12F Illitial Operational Test & I	Evaluation 0191
(U)	A. Mission Descript	ion Continued		
(U) (U)	FY 2002 (\$ in Thous \$1,865	(U) CATEGORY: COMMAND, CONTROL, CONTROL	MMUNICATIONS, COMPUTERS, AND INTELLIGENT is Action Planning and Execution System (DCAPES); In STARS Block 30; NORAD_USSPACECOM Warning tement - Core Systems (TBM-CS); and other systems.	ntegrated Broadcast System (IBS);
(U)	\$964	Equipment (CAPRE); Common Low Observable V Logistics System - Supply (ILS-S); Joint Computer		r Locator (CSEL); Integrated anning System (JMPS); Joint
(U)	\$10	- CAPRE: Complete IOT&E and write final report - CLOVerS: Combined DT/OT; Complete OUE ar - CSEL: Conduct MOT&E and write final report; - ILS-S: Conduct CTF events. Advance planning for - JCALS: Conduct IOT&E on software packages 3 - JMPS: Conduct OA and participate in combined - JPALS: Participate in Combined DT/OT events; - JTCTS: Complete OA and write report. Detailed (U) CATEGORY: TEST SUPPORT. Provide test	ad write final report. plan for FOT&E. or IOT&E1 and 3.3. DT/OT events. detailed planning for MOT&E. planning for MOT&E. capabilities infrastructure to support OT.	z systems.
	Ф22.170	Joint Modeling and Simulation System (JMASS):	Complete OUE; write final report.	
(U)	\$33,179	Total		
P	roject 0191	Pa	ge 6 of 10 Pages	Exhibit R-2 (PE 0605712F)

	RDT	DATE Februa	TE February 2002					
BUD	GET ACTIVITY		PE NUMBER AND TITLE	•	PROJECT			
06	- Management	and Support	0605712F Initial Operational Test &	Evaluation	0191			
(U)	A. Mission Descri	otion Continued						
(U)	FY 2003 (\$ in Thou	usands)						
(U)	\$21,325	(U) CATEGORY: AIR SYSTEMS. Plan, execute, and report IOT&E activities, to include: Airborne Laser (ABL); ALR-69 RWR Capability Improvement (ALR-69 RWR CI); B-1B Conventional Mission Upgrade Program (CMUP) BLK E; B-1B CMUP BLK F; B-52 Avionics Mid-Life Improvement (AMI); C-17 GATM; Compass Call; CV-22; F-15 Fiber Optic Towed Decoy (F-15 FOTD); F-16 Common Configuration Improvement Program (CCIP); F-22; Global Hawk High Altitude Vehicle (HAV) UAV; Large Aircraft IRCM (LAIRCM); Joint Strike Fighter (JSF); Mobile Approach Control System (MACS); and other systems.						
		 - F-22: Conduct IOT&E - ABL: Write OA plan; continue advance planning IO - ALR-69 RWR: Conduct IOT&E. - B-1B CMUP Block E: Complete final test report. - B-1B CMUP Block F: Detailed planning for IOT&I - B-52 AMI: Plan and conduct IOT&E. - C-17 GATM: Conduct Block 14 IOT&E. - Compass Call: Advance planning for Blk 35 IOT&I - CV-22: Plan for and conduct CV-22 IOT&E. - F-15 FOTD: Brief OA Results; advanced planning for F-16 CCIP: Conduct IOT&E. 	E.					
(U)	\$1,039	 Global Hawk HAV UAV: Participation in real-world JSF: Advanced planning for IOT&E. LAIRCM: Plan and conduct IOT&E. MACS: Plan and conduct IOT&E. (U) CATEGORY: SPACE SYSTEMS. Plan, execute (Advanced EHF); Global Broadcast System (GBS); GSatellite System (NPOESS); Space Based InfraRed System (Advanced EHF: Advance planning for IOT&E. 	e, and report IOT&E activities, to include: Advanced flobal Positioning Satellite (GPS); MILSTAR II; Nation	onal Polar-Orbit Ops				
		- GBS: Plan and conduct FOT&E.						
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	RDT8	DATE February 2002		
	GET ACTIVITY - Management a	nd Support	PE NUMBER AND TITLE 0605712F Initial Operational Test & I	PROJECT Evaluation 0191
(U)	A. Mission Descript	• •	ooor izi iiiila operationa i oot a i	
(U)	FY 2003 (\$ in Thous	ands) Continued - GPS: Plan and conduct OA2. - MILSTAR II: Complete MOT&E write Final Repo - NPOESS: Planning for OA2 and IOT&E. - SBIRS: Perform OUEs to support Increment 2 grou		
(U)	\$2,939	 WGS: Participate in combined DT/OT. (U) CATEGORY: WEAPONS. Plan, execute, and re Standoff Missile (JASSM); Joint Direct Attack Munit AIM-9X: Complete MOT&E and write final report. JASSM: Complete MOT&E and write final report. JDAM MK 82: Conducte combined DT/OT; advanced JSOW (BLU-108): Complete MOT&E and FOT&E 	ion (JDAM) MK 82, Joint Stand-Off Weapon (JSOW) ced planning for IOT&E.	
(U)	\$1,149	(U) CATEGORY: COMMAND, CONTROL, COMP report IOT&E activities, to include: Deliberate Crisis Joint STARS Block 30; Joint Tactical Terminal (JTT) Management – Core Systems (TBM-CS); and other sy	Action Planning and Execution System (DCAPES); In ; NORAD_USSPACECOM Warning Surveillance Sy	ntegrated Broadcast System (IBS);
(U)	\$618	 DCAPES: Complete Increment 2 IOT&E. IBS: Complete OA and participate in CTF activities JOINT STARS BLK 30: Conduct OA and continue JTT: Complete IOT&E. N_UWSS: Planning for OA and IOT&E. TBM-CS: Complete MOT&E of version 2.0. (U) CATEGORY: COMBAT SUPPORT. Plan, exect System (CLOVeRS); Combat Survivor Evader Located Acquisition and Logistics Support (JCALS); Joint Mis Joint Tactical Combat Training System (JTCTS); and CLOVeRS: Conduct IOT&E. 	Test Planning. cute, and report IOT&E activities, to include: Commo or (CSEL); Integrated Logistics System – Supply (ILS ssion Planning System (JMPS); Joint Precision Approx	S-S); Joint Computer Aided
Р	Project 0191	Page	8 of 10 Pages	Exhibit R-2 (PE 0605712F)

	RDT&E BUDGET ITEN	JUSTIFICATION SHEET (R-2 Exhib	oit)	DATE Februa	ry 2002
	GET ACTIVITY Management and Support	PE NUMBER AND TITLE 0605712F Initial Op	perational Test 8	& Evaluation	PROJECT 0191
(U)	A. Mission Description Continued				
(U)	- JCALS: Conduct SWP- JMPS: Conduct IOT&I	rents. Advance Planning for IOT&E. 3.3 OT. 3.5 on release 1.0. 3.6 combined DT/OT events; detailed planning for MOT&E.			
(U)	\$27,070 Total				
(U)		DT&E Management Support, because it funds weapon sy lentify any operational deficiencies or need for modificati		•	stem's
(U)	C. Program Change Summary (\$ in Thousan	<u>ds</u>)			
(II)		<u>FY 2001</u>	FY 2002	FY 2003	Total Cost
(U) (U)	Previous President's Budget Appropriated Value	32,933 33,238	28,998 33,498	29,253	TBD
(U)	Adjustments to Appropriated Value	33,238	33,498		
(0)	a. Congressional/General Reductions b. Small Business Innovative Research c. Omnibus or Other Above Threshold Reprogra	-233 m	-304		
	d. Below Threshold Reprogram	-256			
	e. Rescissions	-72	-15		
(U)	Adjustments to Budget Years Since FY 2002 PE			-2,183	
(U)	Current Budget Submit/FY 2003 PBR	32,677	33,179	27,070	TBD
(U)	Significant Program Changes: Congressional Action, FY02 plus up of \$4.5M FY03 reduction to fund higher Air Force require	ments.			
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	RDT&E BUD	GET ITEN	M JUSTIF	ICATION	SHEET (R-2 Exhi	ibit)		DATE Februar y	/ 2002
	GET ACTIVITY - Management and Suppo				PE NUMBER	AND TITLE	perational	Test & E		PROJECT 0191
	D. Other Program Funding Sur N/A	nmary (\$ in T FY 2001 Actual	Thousands) FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	<u>Total Cost</u>
. ,	E. Acquisition Strategy N/A									
(U)	F. Schedule Profile			1	<u>FY 2001</u> 2	3 4	<u>FY</u> 1 2	2002 3	<u>FY</u> 4 1 2	2003 3 4
(U)	IOT&E is not an acquisition progr	ram.		1	2 3) 4	1 2	3 '	4 1 2	3 4
P	Project 0191			Page	10 of 10 Pages	S			Exhibit R-2 (P	E 0605712F)